

Presentation to the

# National Committee on Levee Safety

by

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Listening, Inspecting, Partnering, Engineering since 1879



#### **Mississippi River Commission**

- Presidential appointed commission; listening, inspecting, partnering, and engineering since 1879
- Seven members: 3 Corps Generals, 1 NOAA Admiral, 3 senior civilians (appointed by POTUS; confirmed by Senate)
- Oversees MR&T project Corps Districts carry out the work
- Authority extends for entire river
   headwaters to Head of Passes







#### Why the MRC?

- Schism between military and civilian engineering communities
- Federalization of flood control
- Transcend regional entanglements





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# MRC Authorities 1879 Originating Act

46th Cong., Sess. I. Ch 43.1879: An act to provide for the appoint of a Mississippi River Commission for the improvement of said river from the Head of Passes near its mouth to its headwaters.

Sec. 4. It shall be the duty of said commission to take into consideration and mature such plan or plans and estimates as will correct, permanently locate, and deepen the channel and protect the banks of the Mississippi River; improve and give safety and ease to the navigation thereof; prevent destructive floods; promote and facilitate commerce, trade, and the postal service...



### MRC Authorities 1879 Originating Act

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- Direct surveys of the entire river: Head of Passes to headwaters near Lake Itasca, Minn.
- Additional topographical and hydrographical examinations of the entire river and its tributaries as necessary for general improvement of the river
- Request Secretary of Army to detail officers, men, vessels, machinery and instruments from the Corps of Engineers
- Request Secretary of Commerce to detail officers, men, vessels, machinery and instruments from NOAA
- Request Secretary of Army to hire workforce and purchase vessels, boats and instruments





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### 1928 Flood Control Act MR&T Authorization

70th Congress, Sess. I. Ch. 569, 1928 Chap, 569-An Act for the control of floods on the Mississippi River and its tributaries, and for other purposes.

... Sec. 8. The project herein authorized shall be prosecuted by the Mississippi River Commission under the direction of the Secretary of War and supervision of the Chief of Engineers and subject to the provisions of this Act. It shall perform such functions and through such agencies as they shall designate after consultation and discussion with the president of the commission. For all other purposes the existing laws governing the constitution and activities of the commission shall remain unchanged. The commission shall make inspection trips of such frequency and duration as will enable it to acquire first-hand information as to conditions and problems germane to the matter of flood control within the area of its jurisdiction; and on such trips of inspection ample opportunity for hearings and suggestions shall be afforded persons affected by or interested in such problems.



### 1928 Flood Control Act MRC Functions

Designation of Functions and Agencies for the Execution of the Mississippi River Flood Control Project Adopted by the Act approved May 15, 1928, Memorandum Signed by Sec War and Chief of Engineers on Nov. 14, 1928

- Making the inspection trips & holding public hearings
- Recommend policy for the developing & carrying out the MR&T project
- Consideration & recommendation of the character of construction
- Recommend annual program of work
- Recommend upon any matters authorized by law.
- MRC pres and Engineer Districts of the Mississippi Valley designated as the agencies for carrying out the project.

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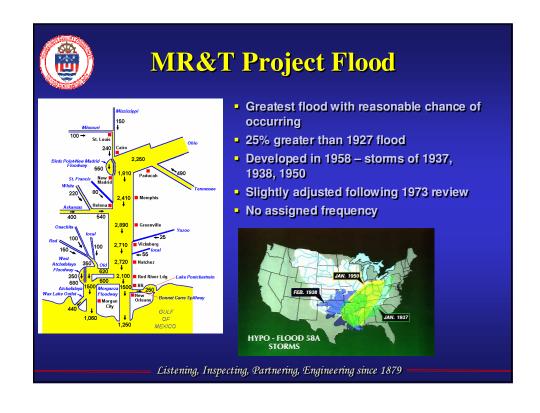


## Mississippi River & Tributaries Project

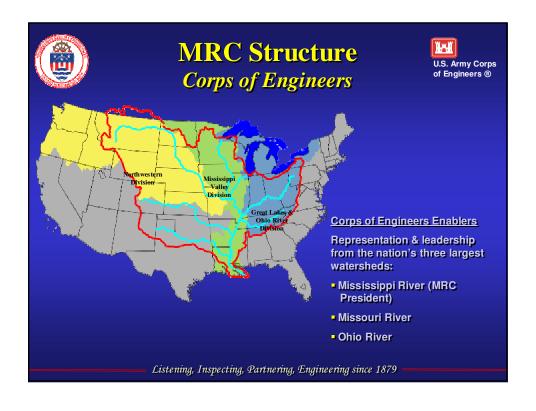
- \$13 B invested; \$306 B in damages prevent (\$24-\$1 return)
- Levees
  - 3,727 miles of levees authorized / 3,486 miles in place
  - Main stem levee system is 93.4% complete
  - Operated & maintained by local levee boards in coordination with MRC/MVD
- Levee Inspections
  - O&M 5 days a week
  - Pasture Tenants 7 days a week
  - Stage 1 Flood fight 5 days a week
  - Stage 2 Flood fight 7 days a week
  - Bi-Annual MRC/MVD Inspections













### MRC Structure Civilian Members

#### **Civilian Member Enablers**

- Membership continuity (only 29 civilians have served on MRC since 1879)
- Current members have combined 60 years on MRC
- Engineering & business expertise from the private sector (combined 150 years experience)
- Long-term relationships with legislators and partners





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#### **MRC Structure**





#### **NOAA Enablers**

- Representation from the science agency of the Department of Commerce
- Accurate weather and water cycle forecasts, (storms, droughts, and floods)
- Reliable scientific information to ensure safe, efficient, environmentally sound commercial transportation
- Scientific analysis of the changes in climate
- Objective ecosystem evaluation and information







#### **MRC Process**

- Listening to concerns of those managing the watershed
- Inspecting challenges posed by the watershed
- Partnering to form relationships to address challenges
- Engineering solutions to those challenges







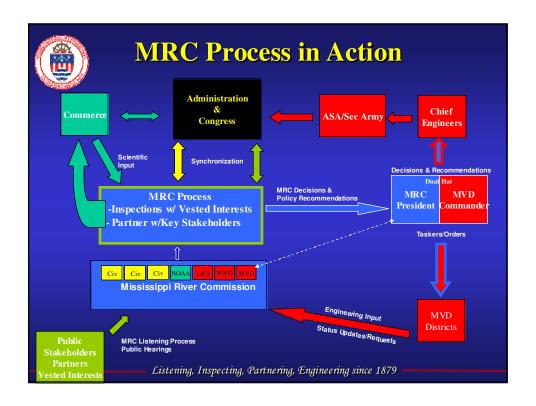
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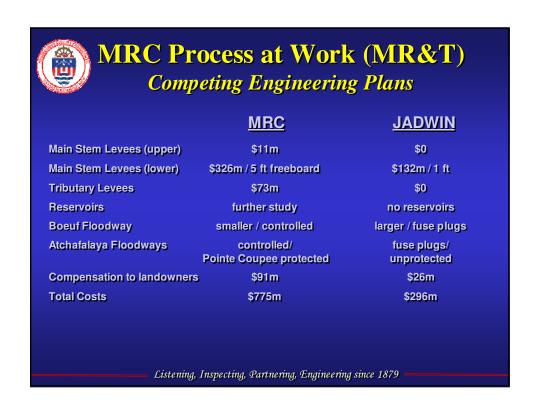














### MRC Process at Work Reality Facing the MRC

- Prosecuting plan it did not submit, with no initiative control
- Public hearing process & inspection trips
- Lower Valley interests landowners, levee boards, elected officials despise Jadwin plan
- Same interests support more comprehensive MRC plan

